

Fig. 1

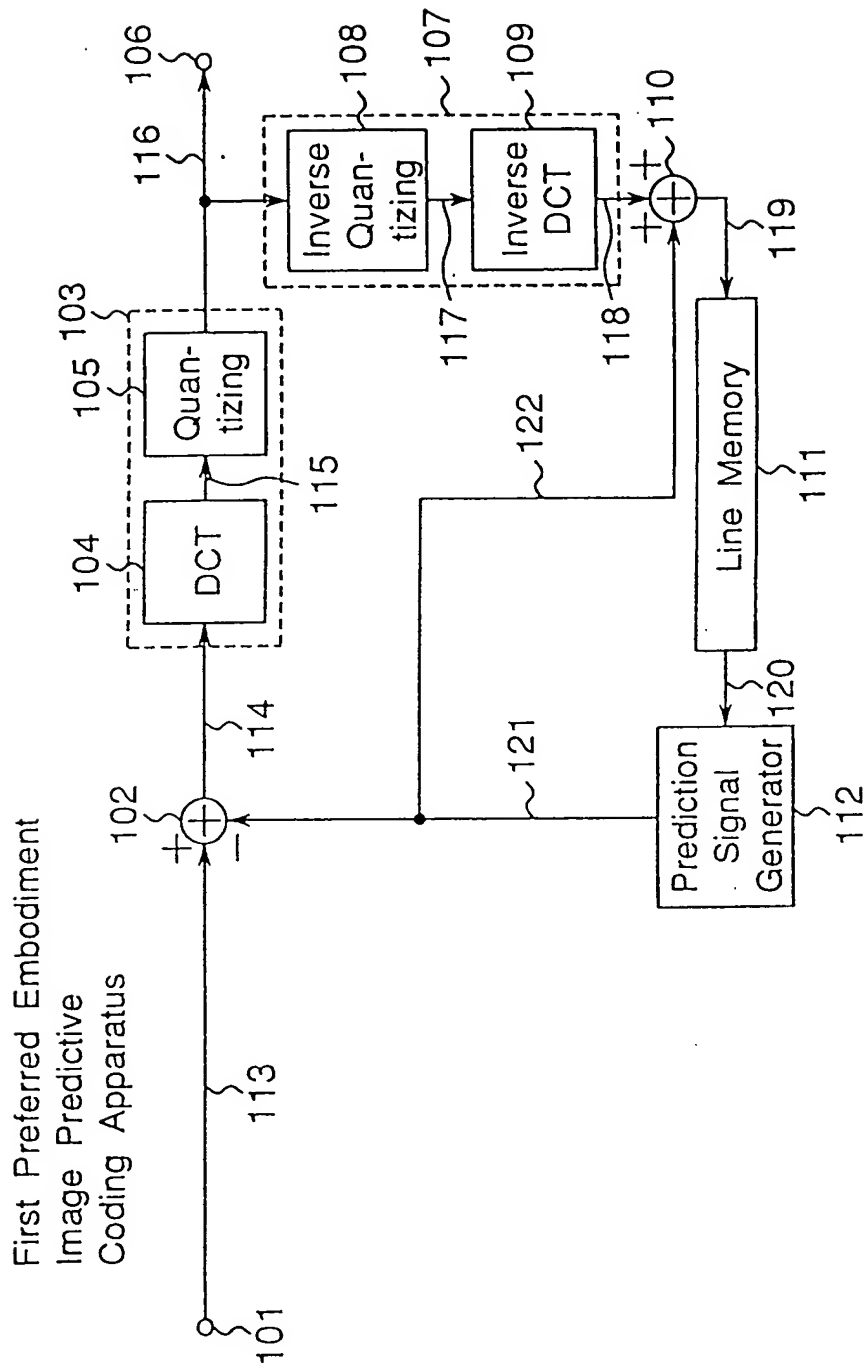


Fig.2

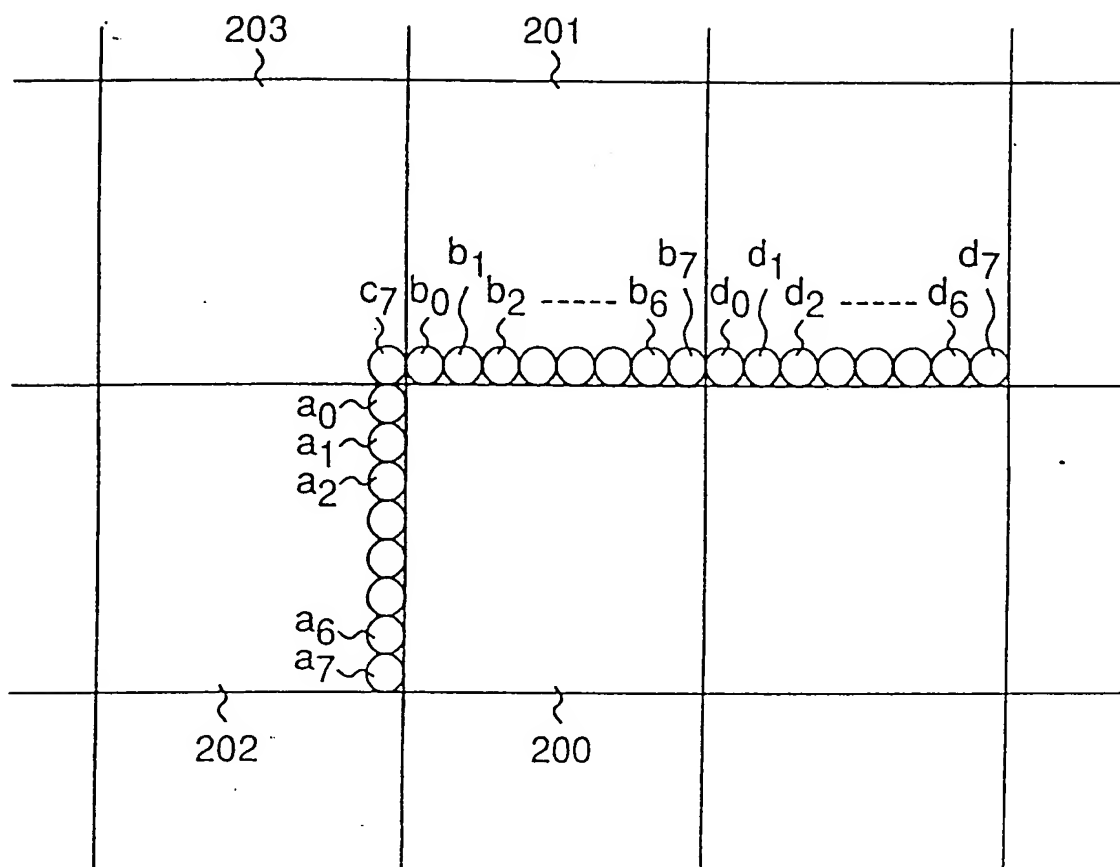
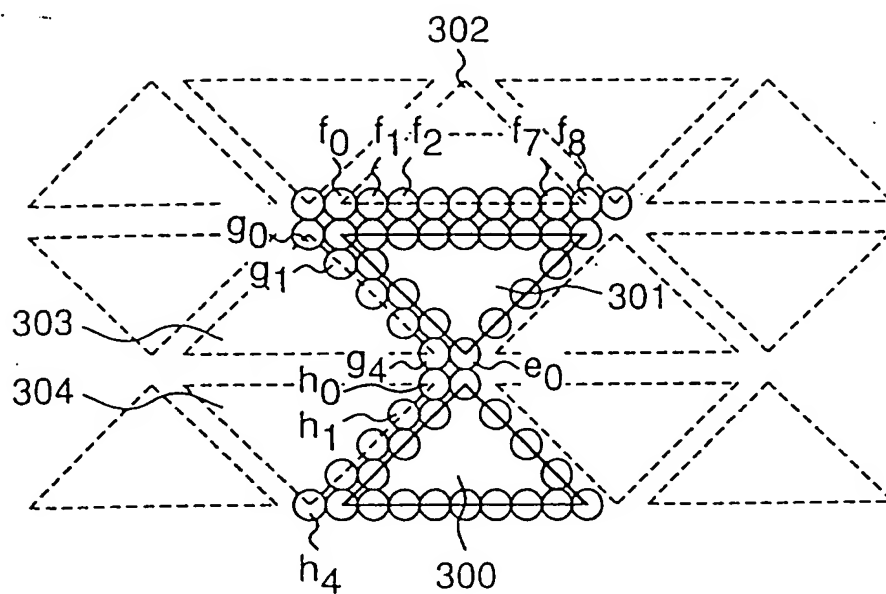


Fig.3



### First Preferred Embodiment of Prediction Signal Generator 112

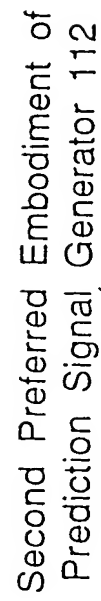
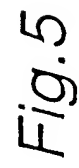


Fig.6

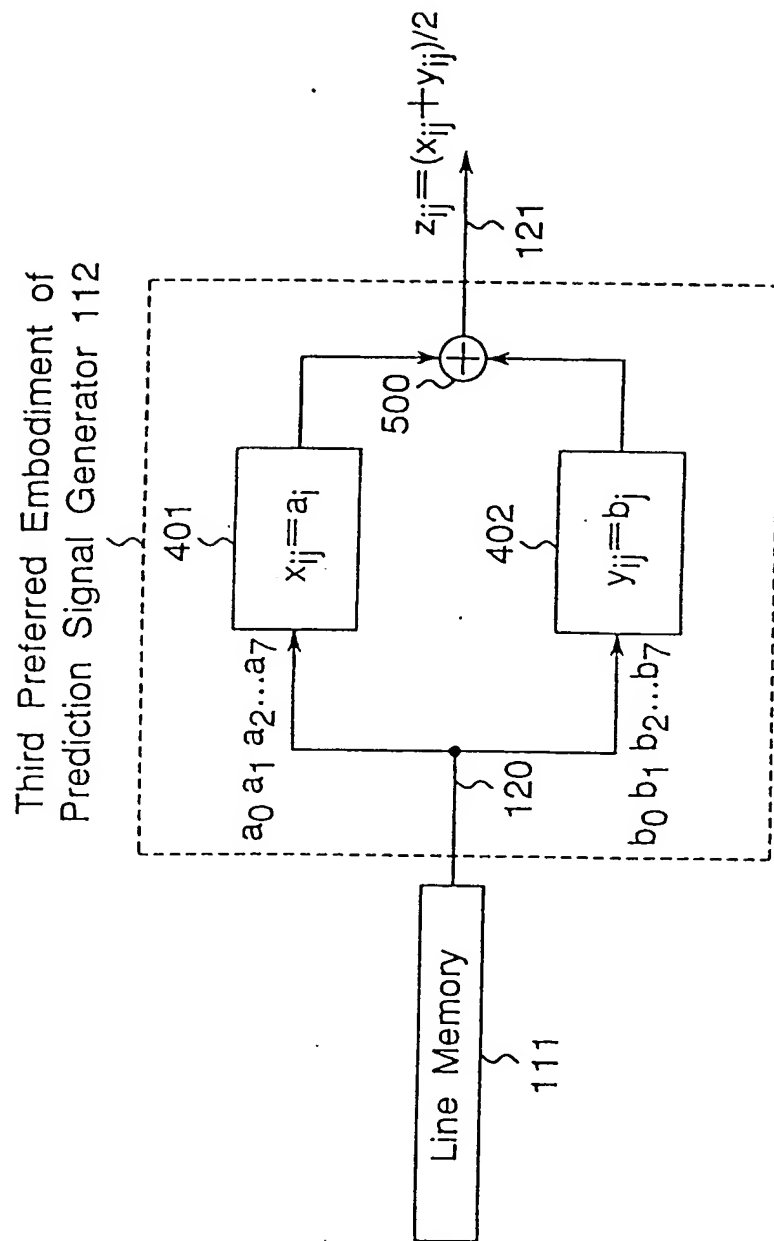


Fig. 7

Third Preferred Embodiment      Fourth Preferred Embodiment of  
Prediction Signal Generator 112

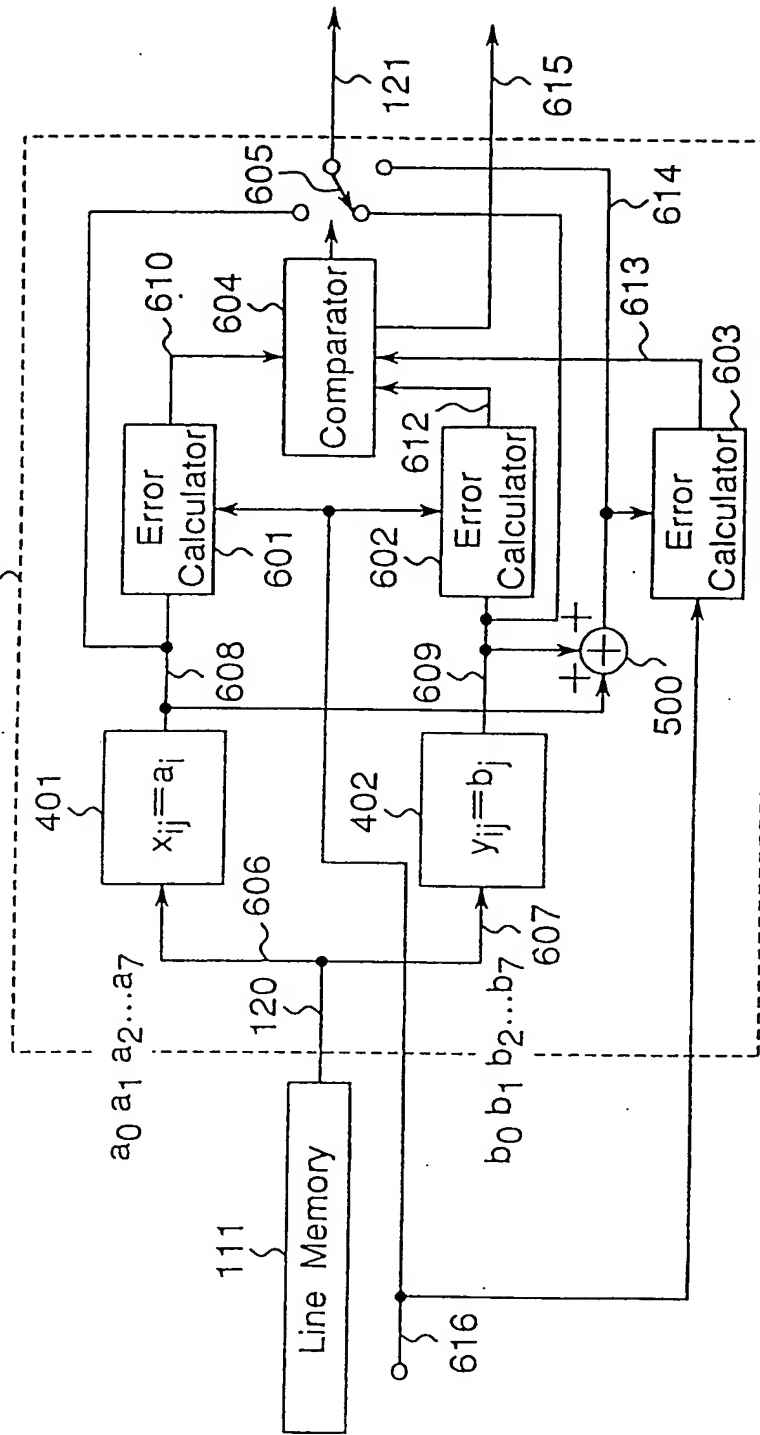


Fig.8

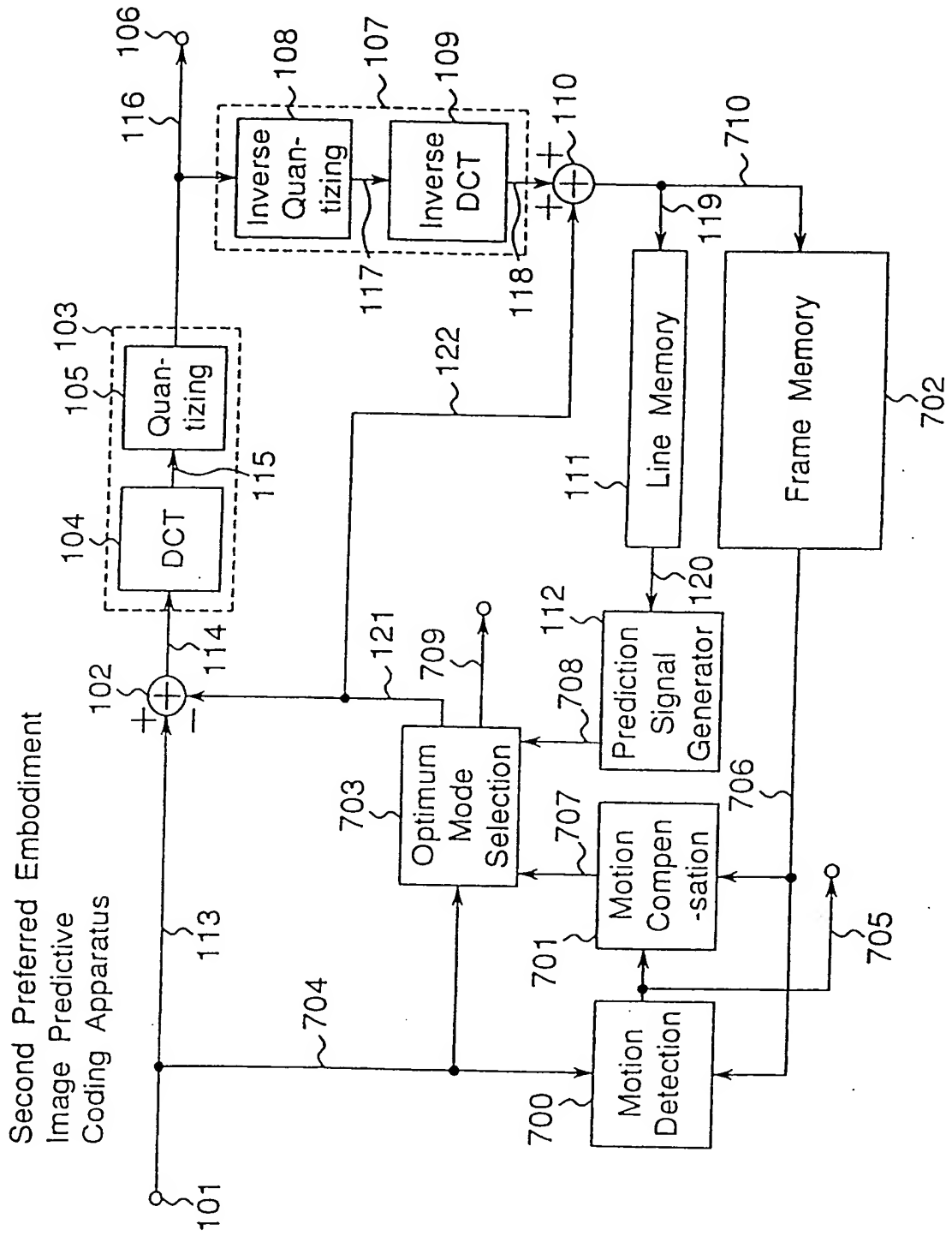


Fig.9

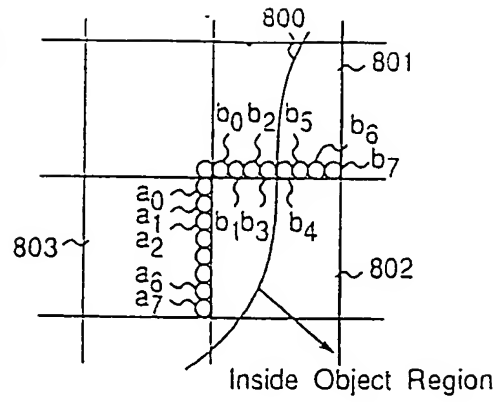


Fig.10

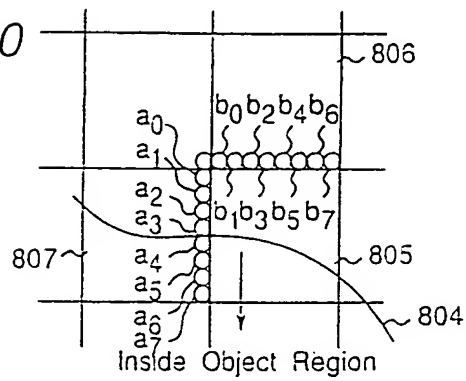


Fig.11

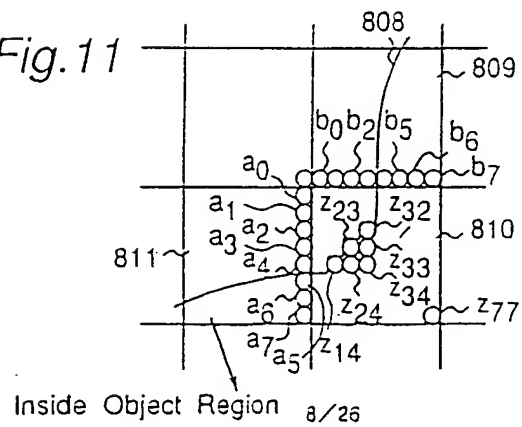




Fig.12

Third Preferred Embodiment  
Image Predictive  
Decoding Apparatus

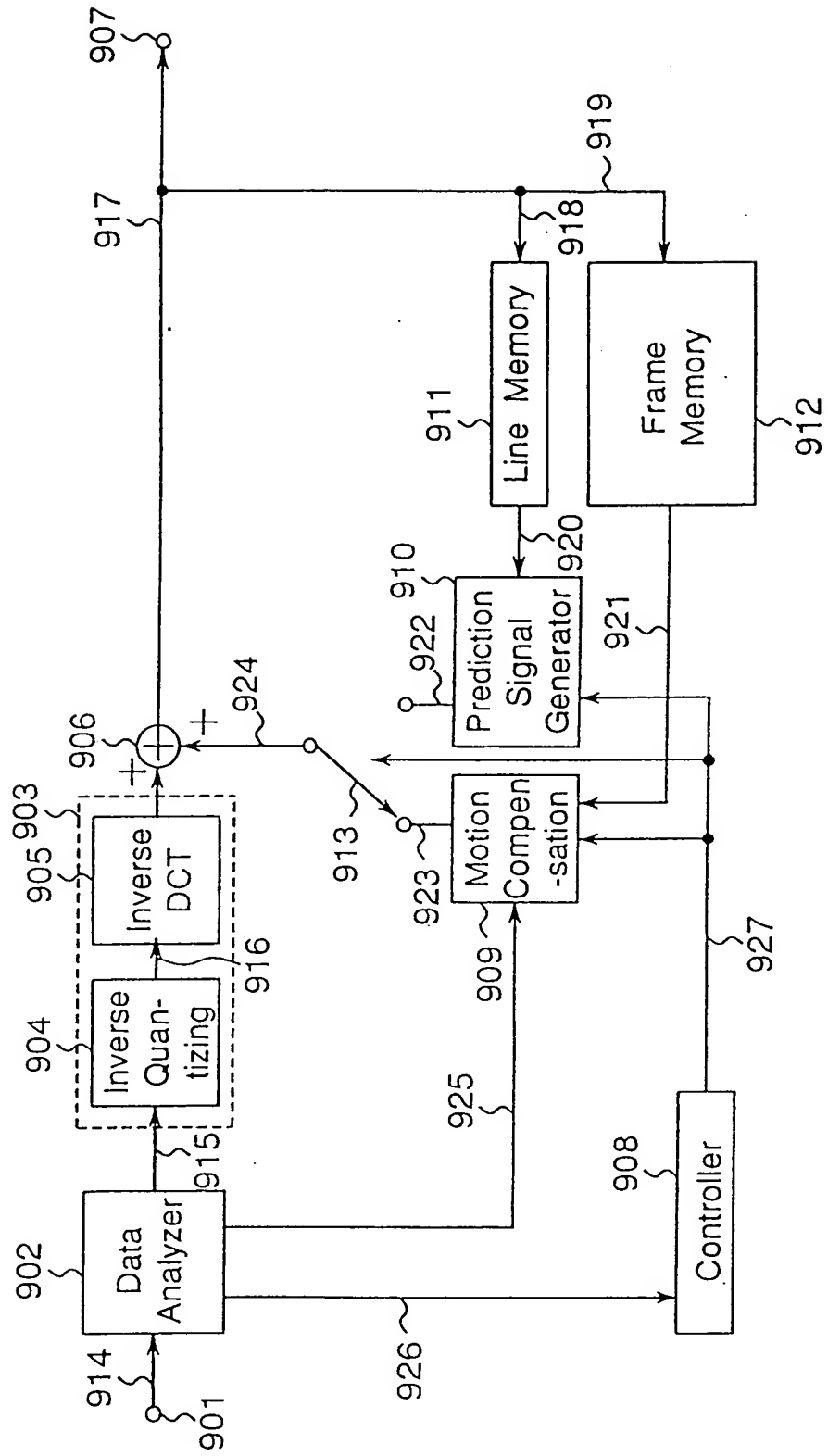
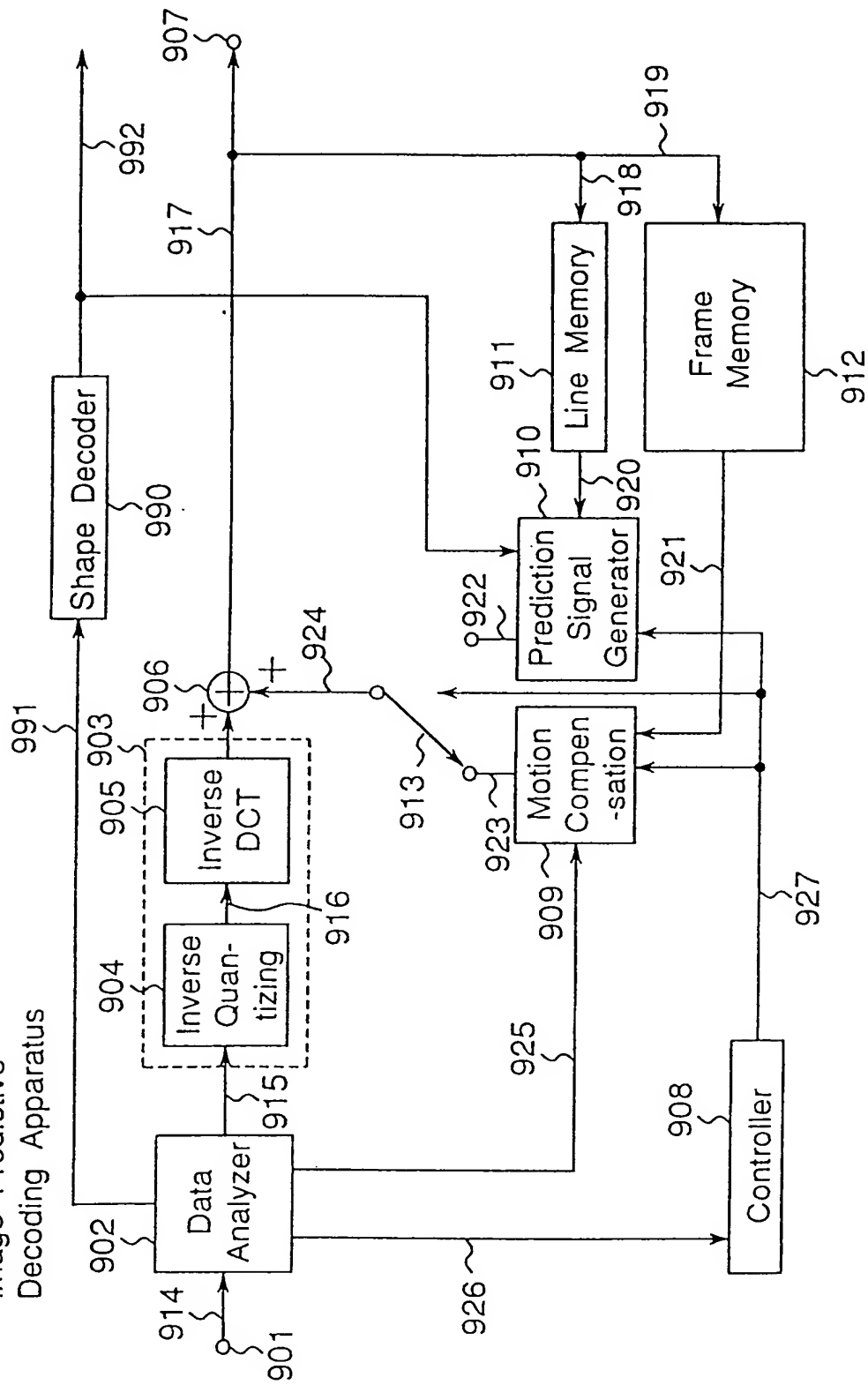


Fig.13

Fourth Preferred Embodiment  
Image Predictive  
Decoding Apparatus



*Fig.14 PRIOR ART*

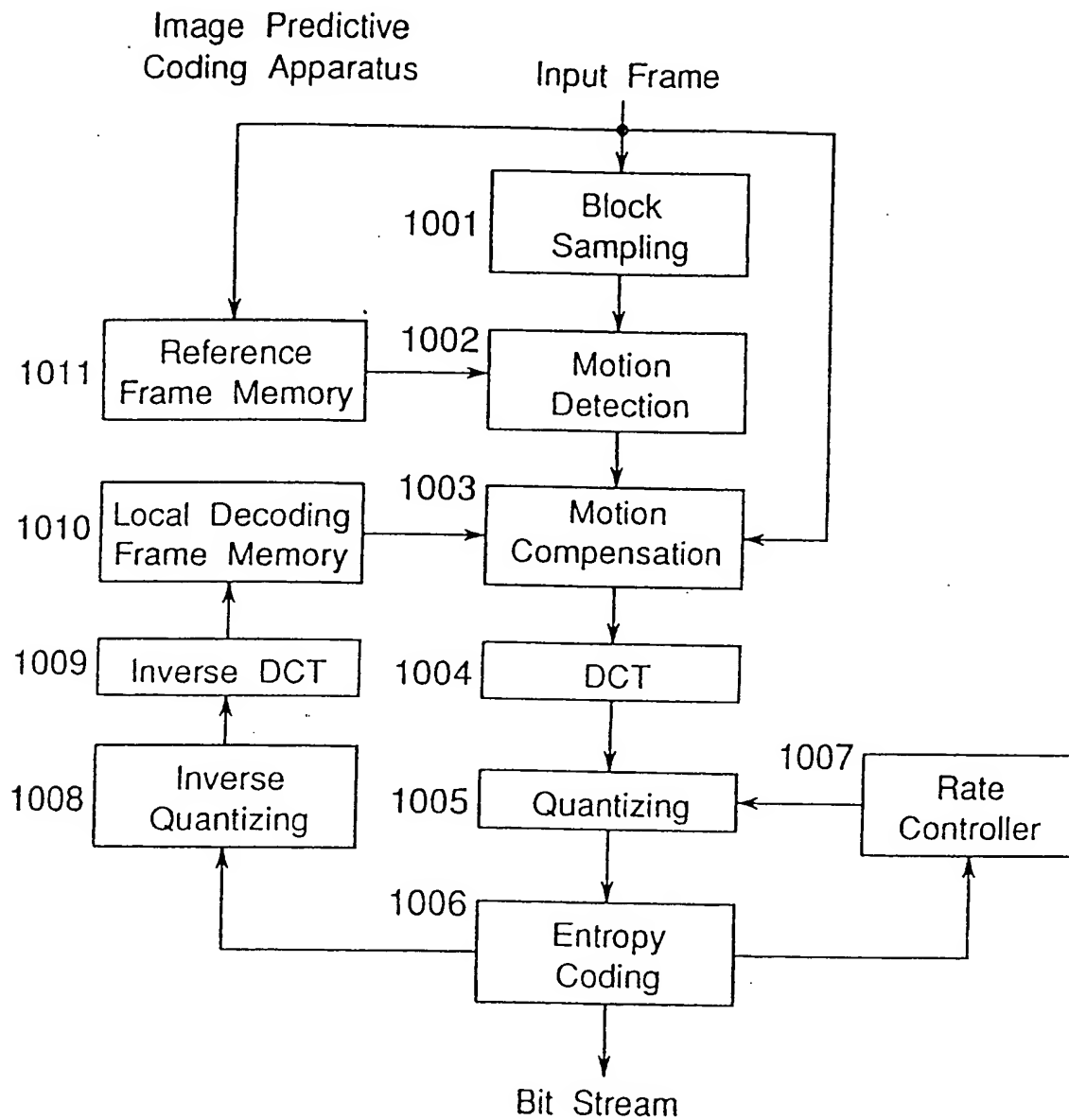
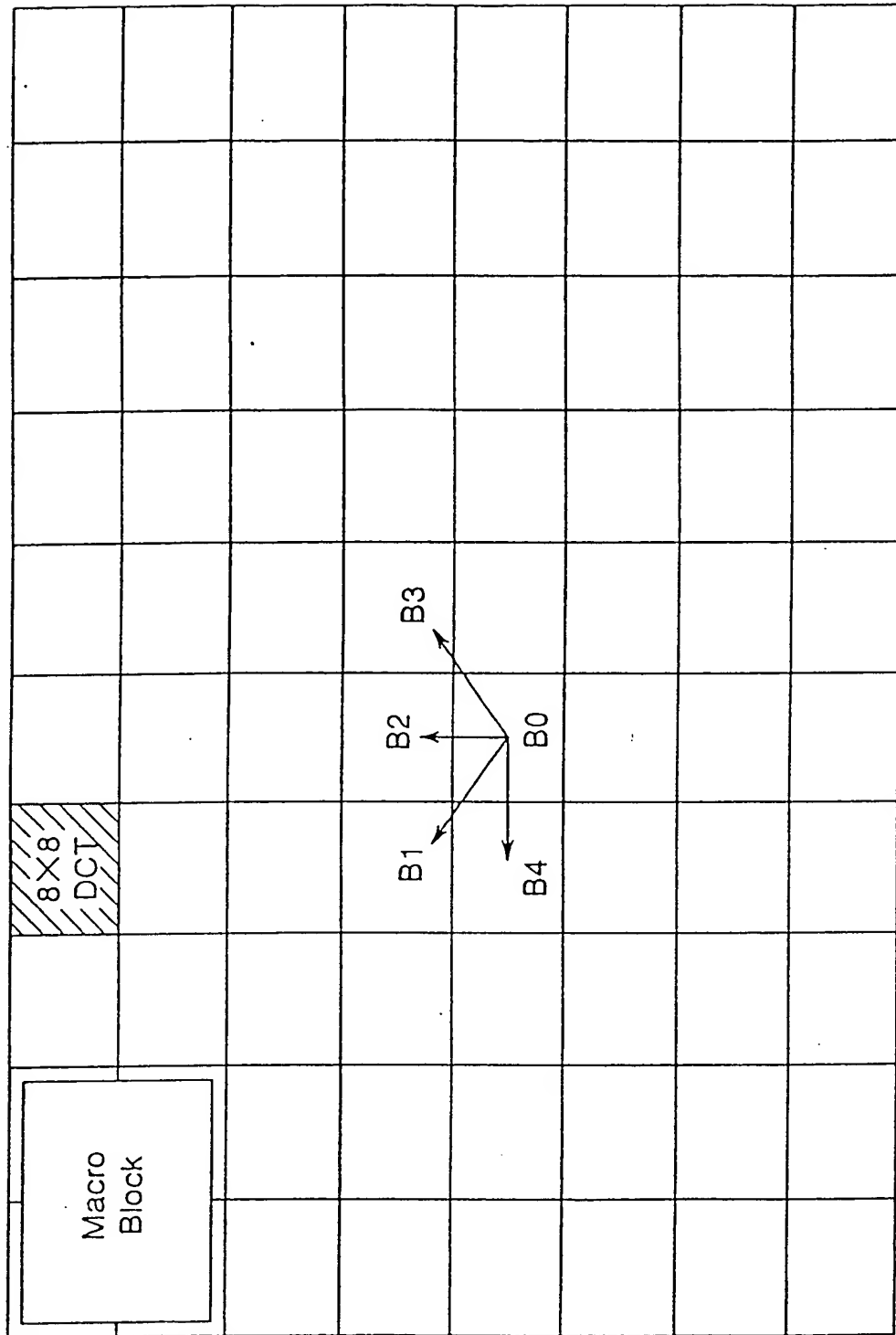
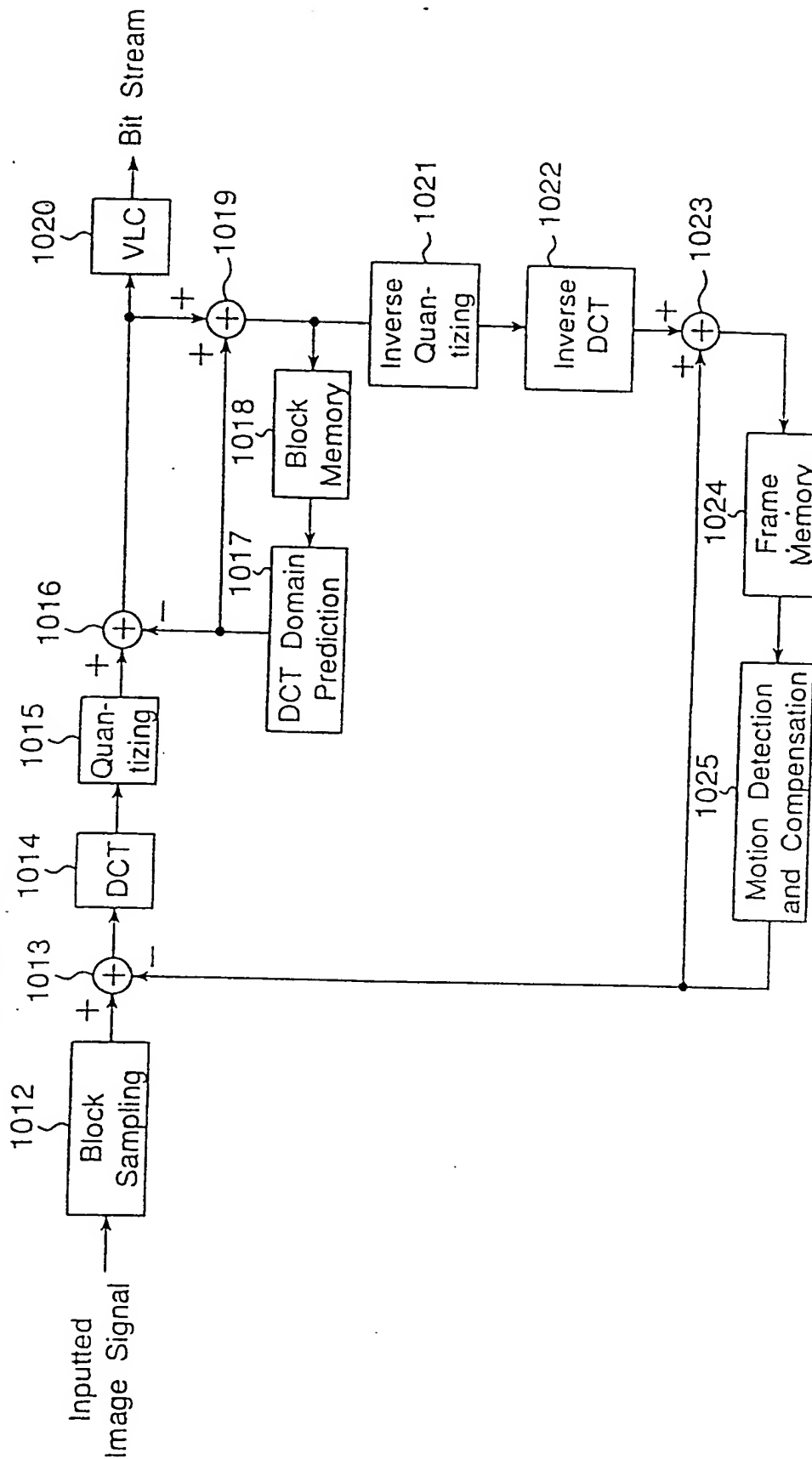


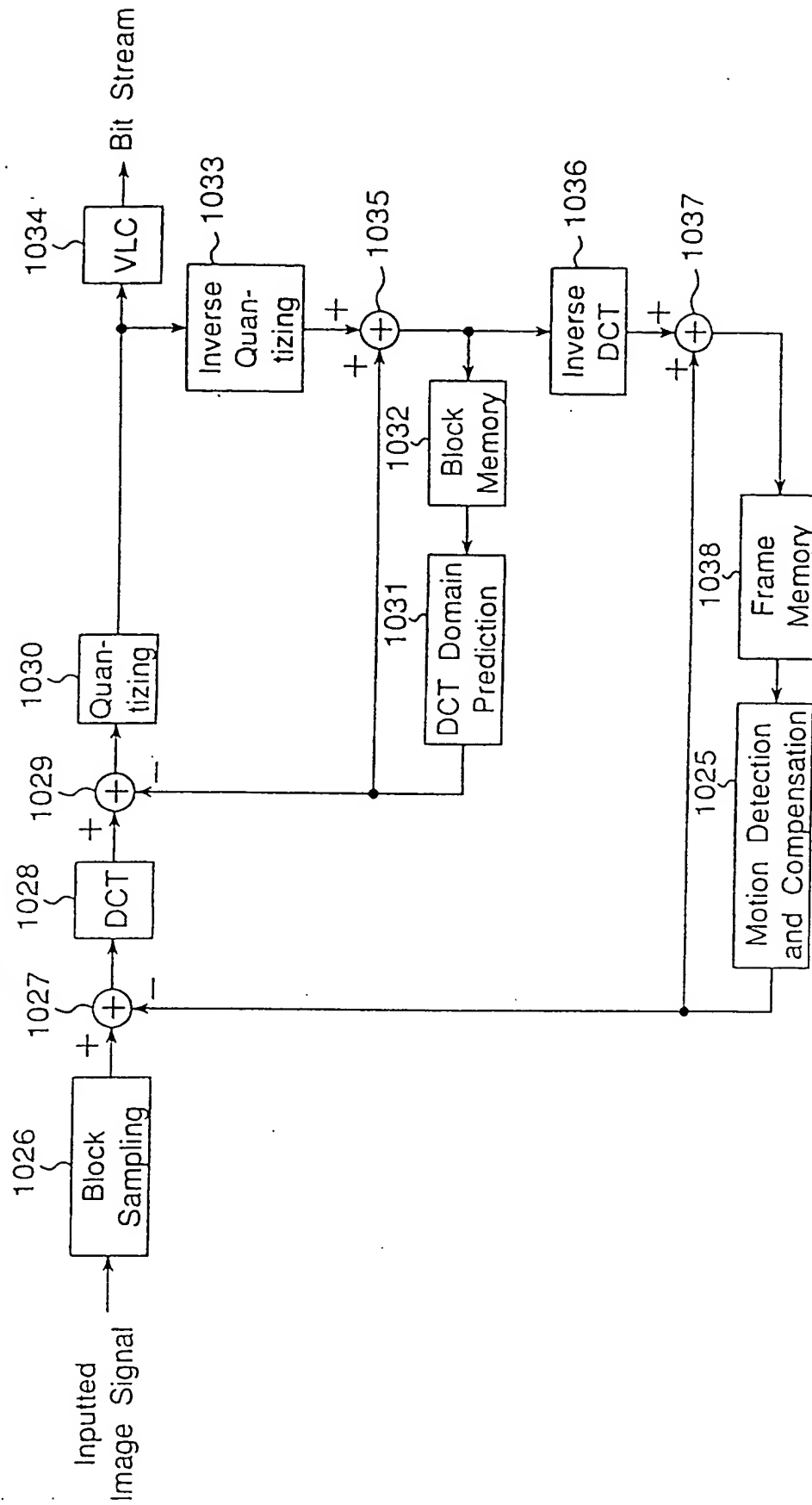
Fig.15



**Fig. 16** Fifth Preferred Embodiment  
Image Predictive  
Coding Apparatus



**Fig. 17** Sixth Preferred Embodiment  
Image Predictive  
Coding Apparatus



**Fig. 18** DCT Region Predicting Circuits 1017, 1031

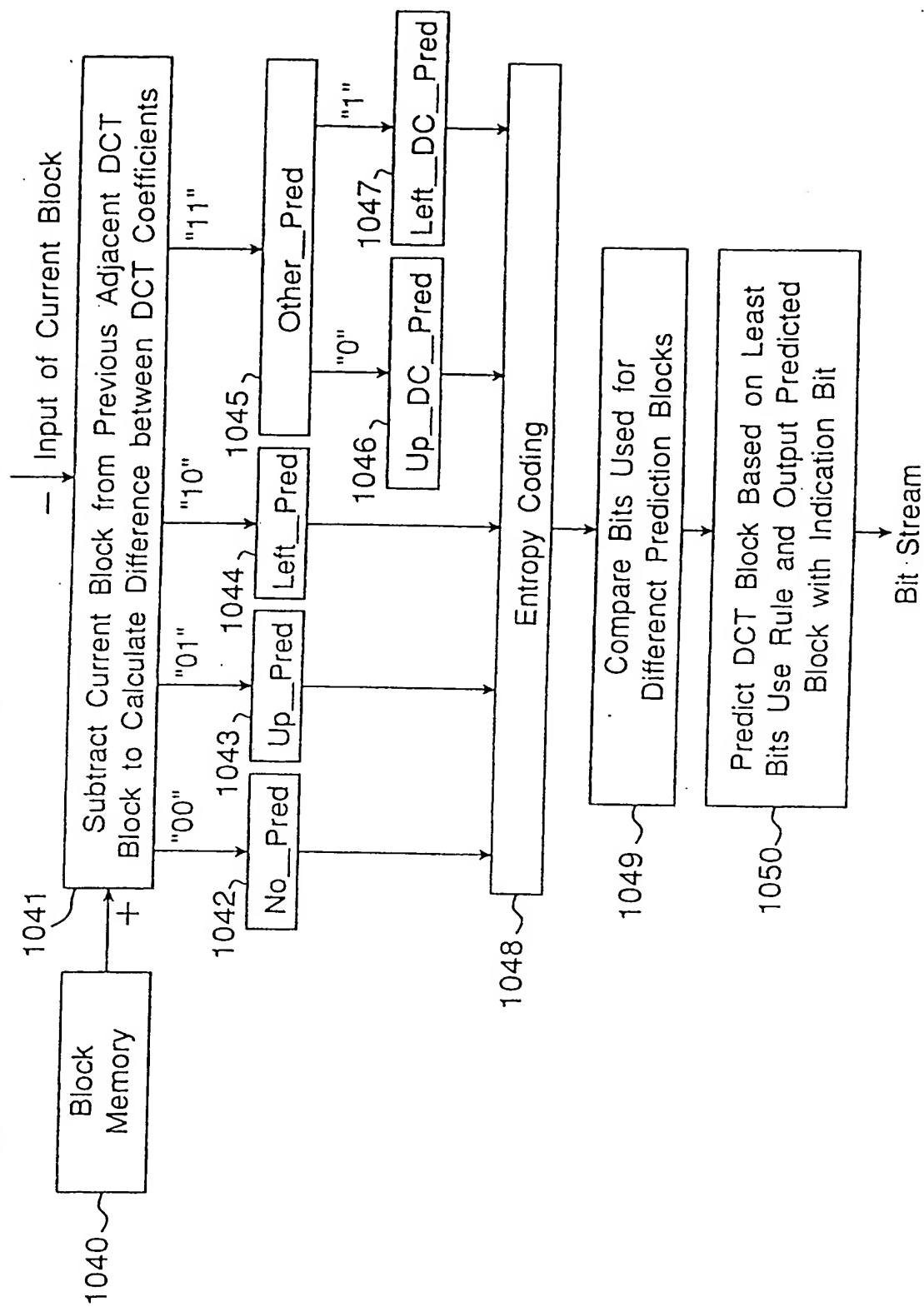


Fig. 19

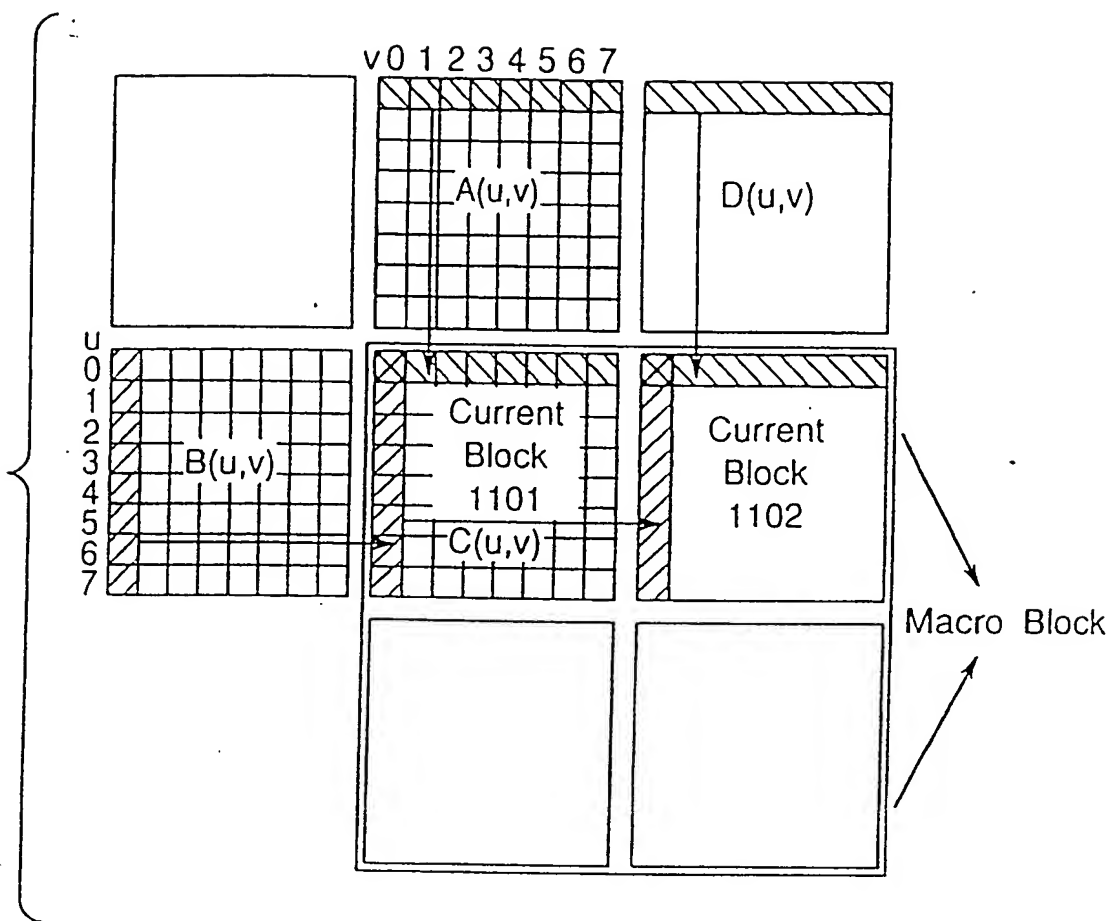




Fig.20

Seventh Preferred Embodiment  
Image Predictive  
Decoding Apparatus

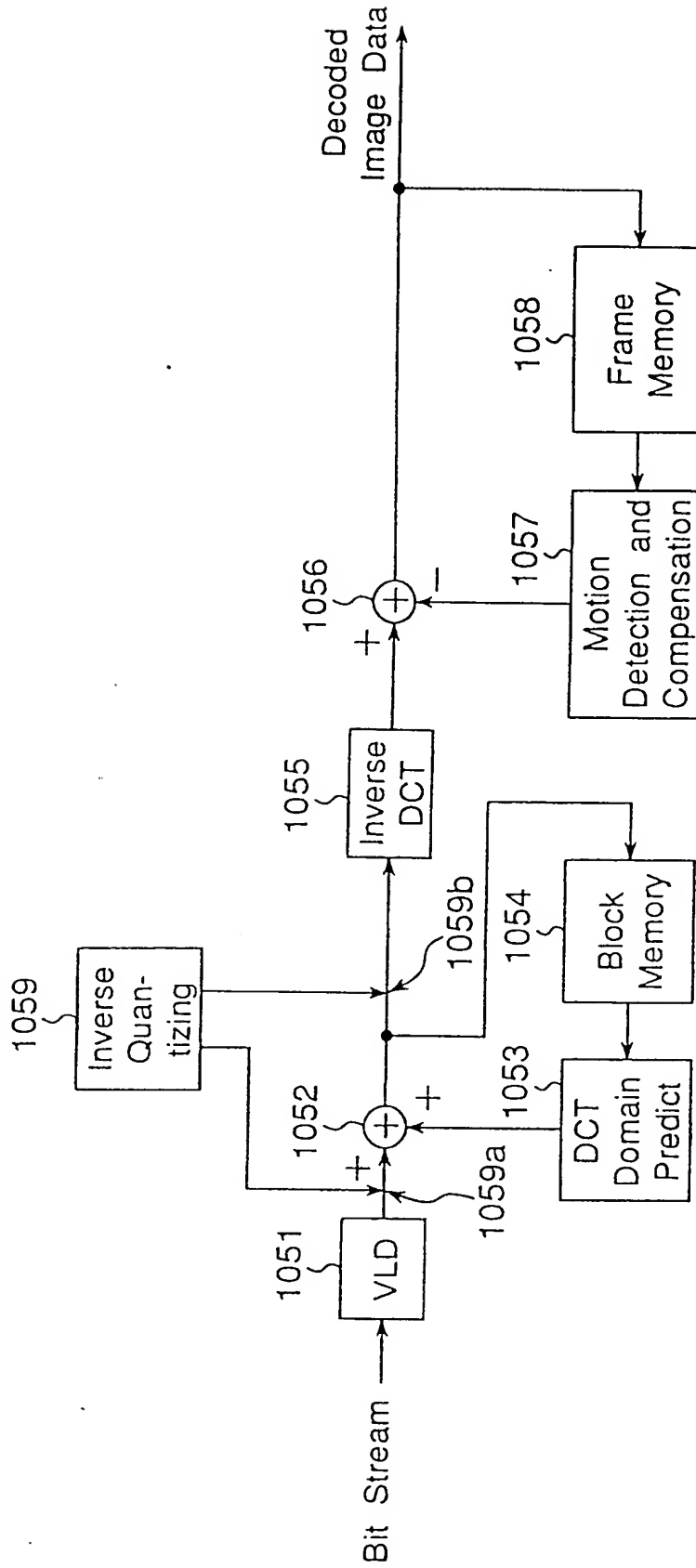


Fig.21

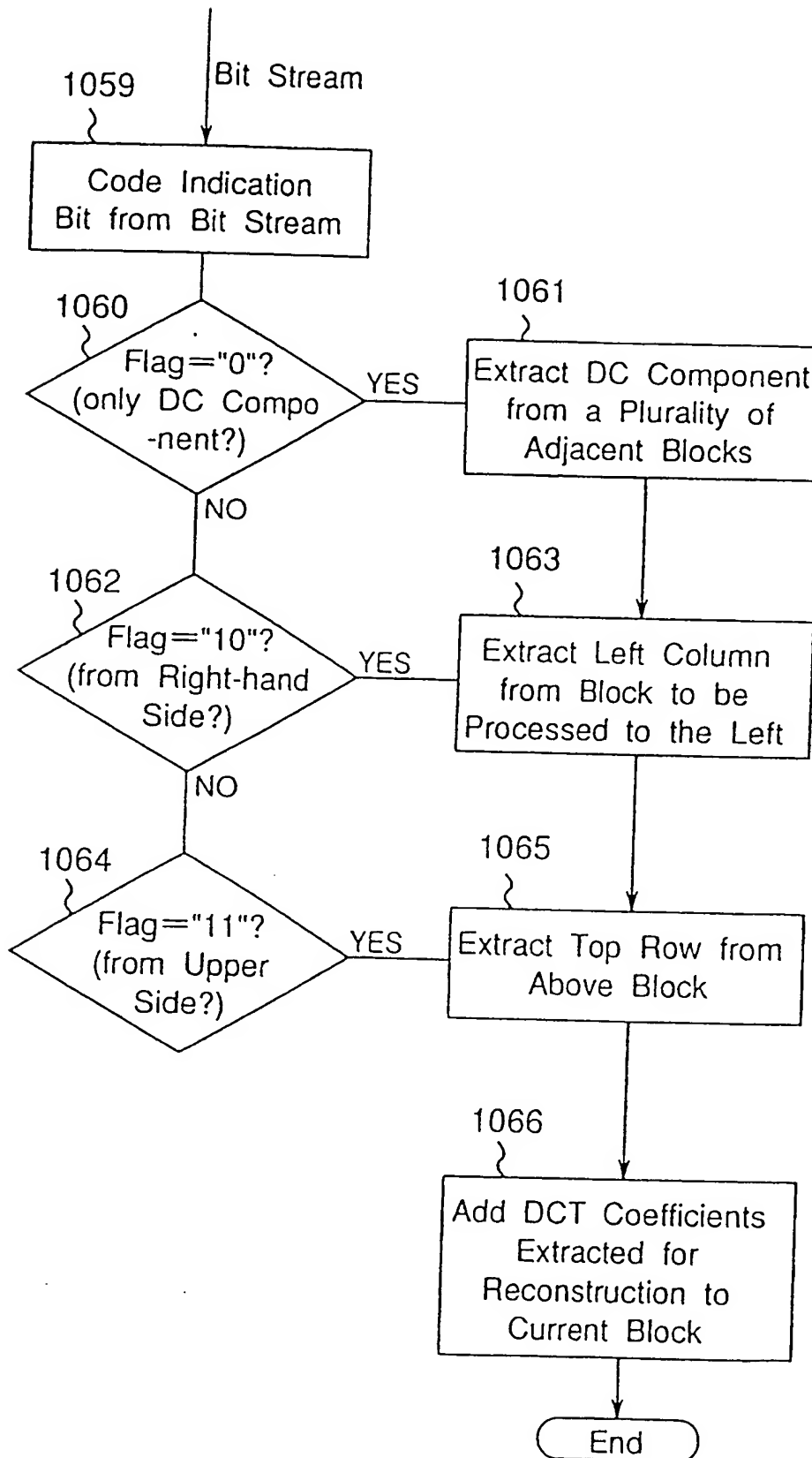


Fig.22 PRIOR ART

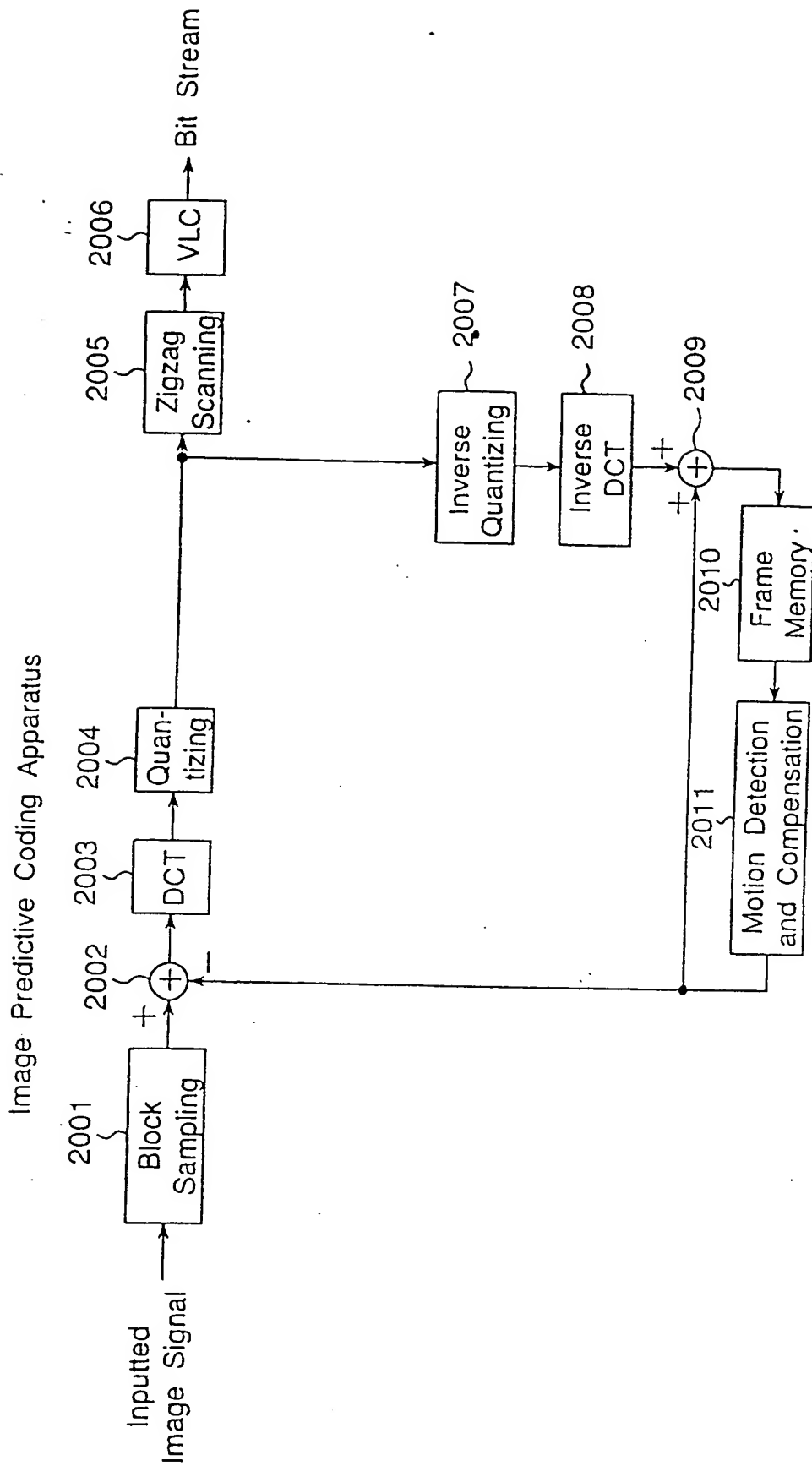


Fig.23 PRIOR ART

Image Predictive Coding Apparatus

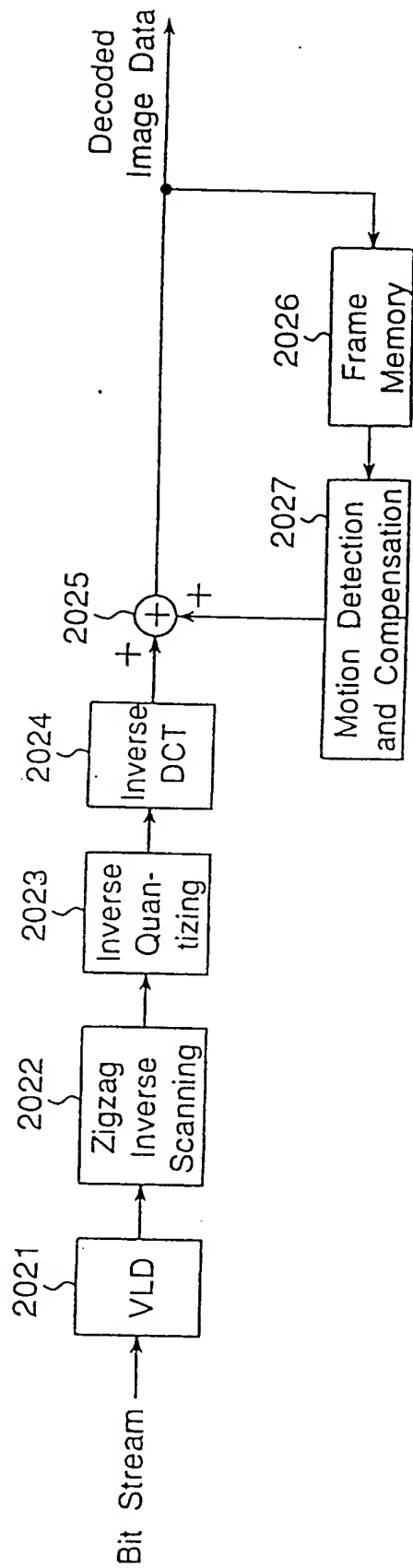
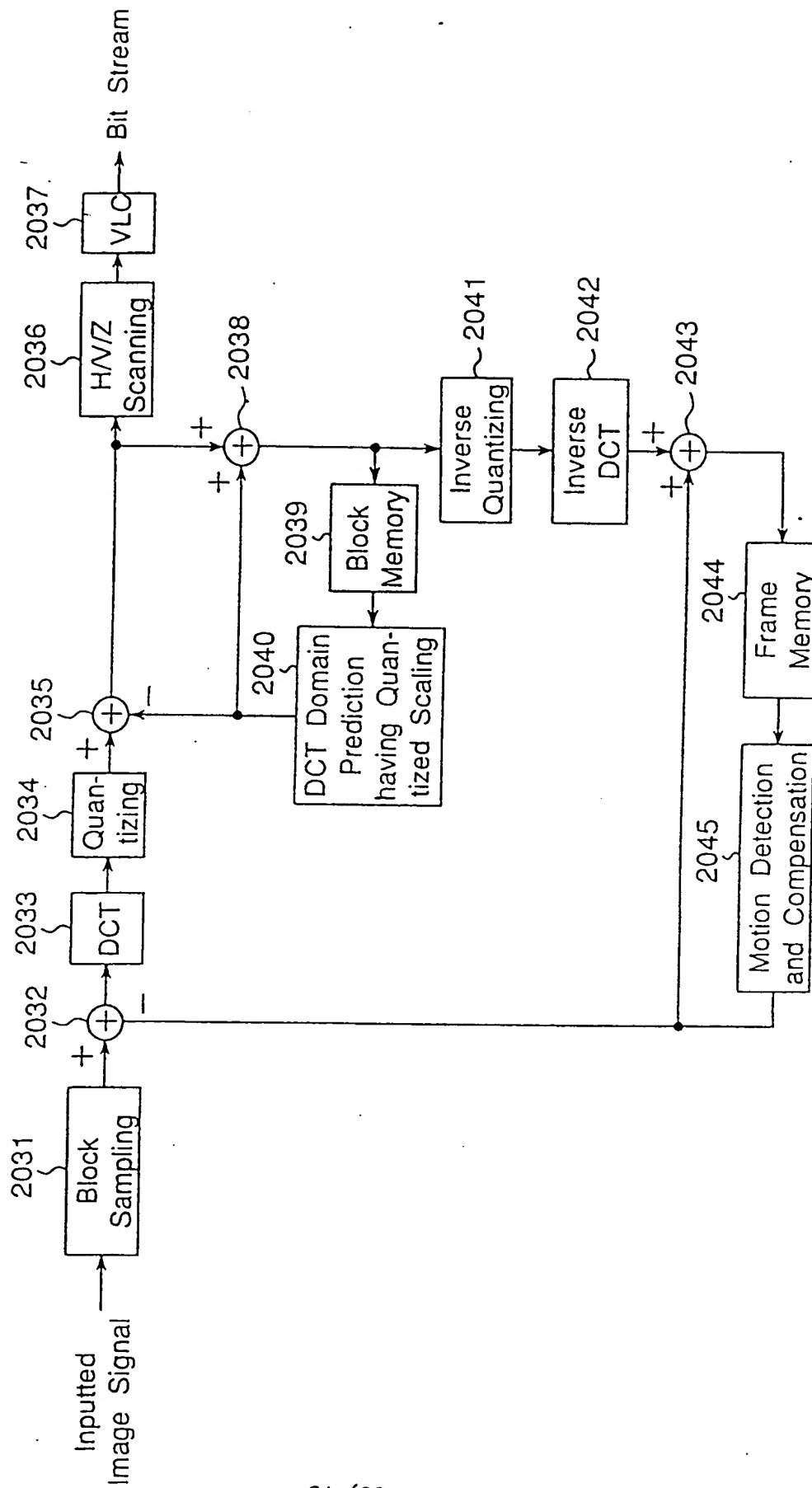


Fig.24 Eighth Preferred Embodiment  
Image Predictive Coding Apparatus



**Fig.25** Eighth Preferred Embodiment  
Image Predictive Decoding Apparatus

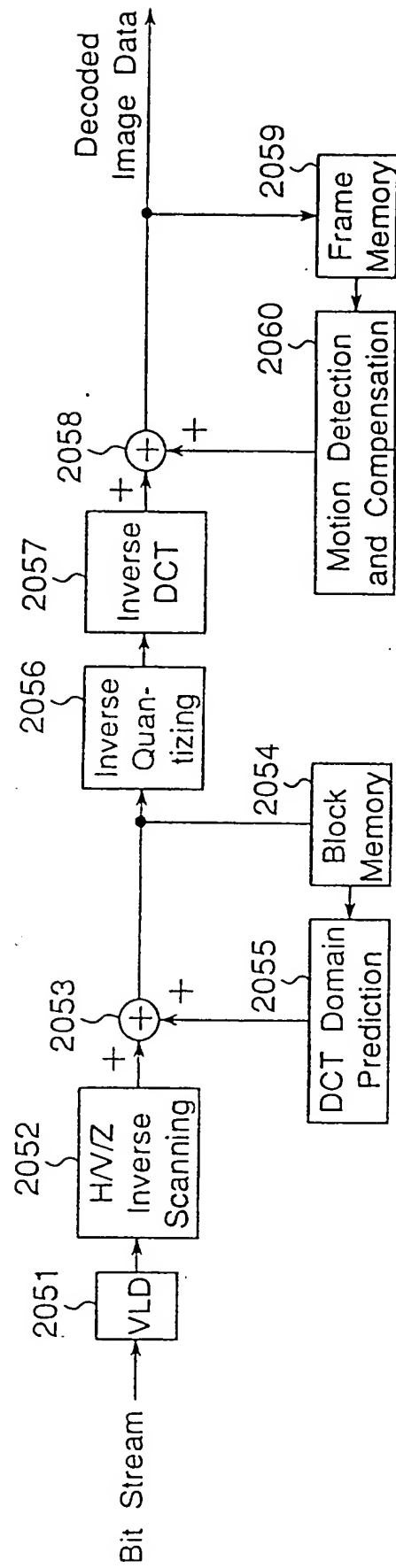


Fig.26

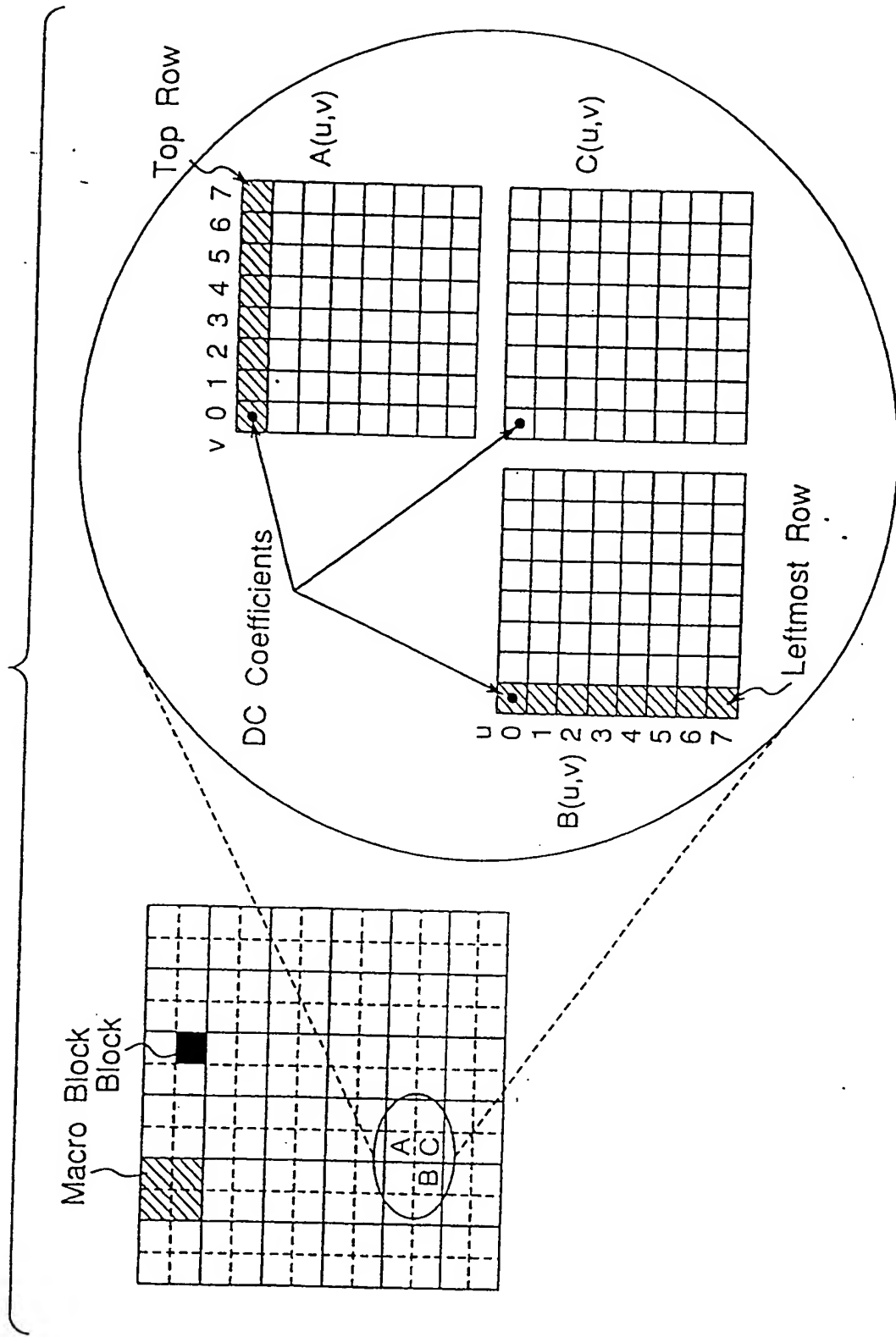


Fig.27

|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 0  | 1  | 2  | 3  | 10 | 11 | 12 | 13 |
| 4  | 5  | 8  | 9  | 17 | 16 | 15 | 14 |
| 6  | 7  | 19 | 18 | 26 | 27 | 28 | 29 |
| 20 | 21 | 24 | 25 | 30 | 31 | 32 | 33 |
| 22 | 23 | 34 | 35 | 42 | 43 | 44 | 45 |
| 36 | 37 | 40 | 41 | 46 | 47 | 48 | 49 |
| 38 | 39 | 50 | 51 | 56 | 57 | 58 | 59 |
| 52 | 53 | 54 | 55 | 60 | 61 | 62 | 63 |

Horizontal Scanning

Fig.28

|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 0  | 4  | 6  | 20 | 22 | 36 | 38 | 52 |
| 1  | 5  | 7  | 21 | 23 | 37 | 39 | 53 |
| 2  | 8  | 19 | 24 | 34 | 40 | 50 | 54 |
| 3  | 9  | 18 | 25 | 35 | 41 | 51 | 55 |
| 10 | 17 | 26 | 30 | 42 | 46 | 56 | 60 |
| 11 | 16 | 27 | 31 | 43 | 47 | 57 | 61 |
| 12 | 15 | 28 | 32 | 44 | 48 | 58 | 62 |
| 13 | 14 | 29 | 33 | 45 | 49 | 59 | 63 |

Vertical Scanning

Fig.29

|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 0  | 1  | 5  | 6  | 14 | 15 | 27 | 28 |
| 2  | 4  | 7  | 13 | 16 | 26 | 29 | 42 |
| 3  | 8  | 12 | 17 | 25 | 30 | 41 | 43 |
| 9  | 11 | 18 | 24 | 31 | 40 | 44 | 53 |
| 10 | 19 | 23 | 32 | 39 | 45 | 52 | 54 |
| 20 | 22 | 33 | 38 | 46 | 51 | 55 | 60 |
| 21 | 34 | 37 | 47 | 50 | 56 | 59 | 61 |
| 35 | 36 | 48 | 49 | 57 | 58 | 62 | 63 |

Zigzag Scanning



Fig.30

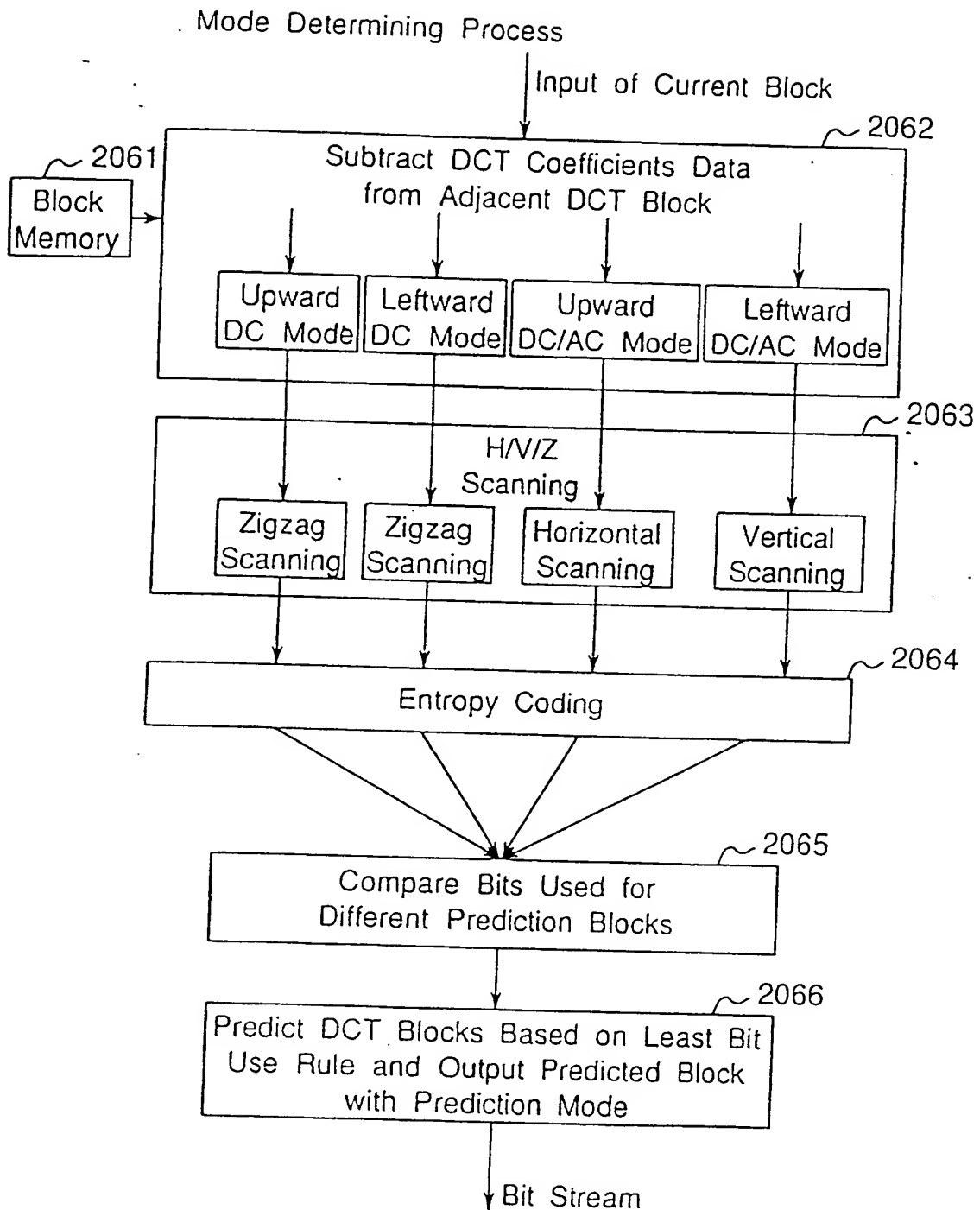


Fig.31

